

CHAPTER 9, FORM B
TRIGONOMETRY

NAME _____
DATE _____

1. Solve $27^{x+2} = 9^{1-x}$.

1. _____

Write in logarithmic form.

2. $9^{2.7} = z$

2. _____

3. $w = e^{-3/4}$

3. _____

Write in exponential form.

4. $\log_{16} \sqrt[3]{32} = \frac{5}{12}$

4. _____

5. $\ln q = 3.5$

5. _____

6. If $f(x) = a^x$ and $f(4) = 81$, find the following values of $f(x)$.

a. $f(5)$

6. a. _____

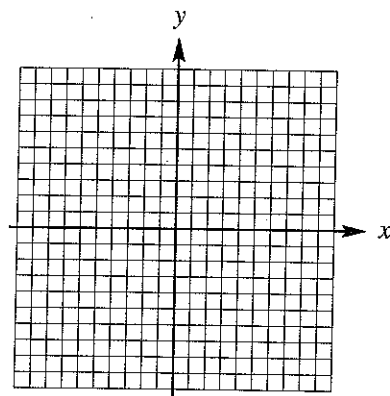
b. $f(-1)$

b. _____

Graph each function.

7. $y = \left(\frac{1}{2}\right)^{-x+1}$

7.



8. $y = \log_3(x+1)$

8.

